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TITLE: METHOD AND SYSTEM FOR RETRIEVING INFORMATION AND  
RECORDING MEDIUM RECORDING INFORMATION RETRIEVAL  
PROCESSING PROGRAM  
PUBN-DATE: August 29, 2000

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ABSTRACT:

PROBLEM TO BE SOLVED: To enable any server to request retrieval and to efficiently retrieve suitable information in an information retrieving system including plural servers in a network.

SOLUTION: When a retrieval request is outputted from a client to a certain server, the server (called as a main server) receiving the request prepares a retrieving condition corresponding to the server (S1) and checks whether information suitable for the retrieving request is stored in its own cache memory or not in each retrieving request (S2, S3). When suitable information exists in the cache memory, the information is outputted as a retrieved result, and when there is no suitable information, the server retrieves its own information data base when the retrieving condition is for the server itself (S5, S6) and stores the retrieved result in the cache memory. When the server itself is not an object server, the server sends the retrieving condition to another server (called as a slave server), receives its retrieving result and stores the received result in its own cache memory (S8).

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TITLE: Information retrieval procedure from server, involves storing information extracted from sub-server in cache memory of same server before forwarding to main server

PATENT-ASSIGNEE: SEIKO EPSON CORP [SHIH]

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ABSTRACTED-PUB-NO: JP2000235514A

BASIC-ABSTRACT:

NOVELTY - If data for search demand from client does not exist in cache memory or database of main server, the demand is sent to sub-server. If searched information exists in sub-server, it is extracted and forwarded to main server, else database of sub-server is searched. The extracted information is stored in cache memory of sub-server and then forwarded to main server.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) information retrieval system;
- (b) recording medium for storing information retrieval processing program

USE - For retrieving information from server existing on network.

ADVANTAGE - Issue of search demand to each server is unnecessary, thereby wastage of time is eliminated, speed improvement of search process and decrease of traffic are enabled. Hence efficiency of information retrieval is enhanced.

DESCRIPTION OF DRAWING(S) - The figure shows the system block diagram explaining the information retrieval procedure.

CHOSEN-DRAWING: Dwg.1/6

TITLE-TERMS: INFORMATION RETRIEVAL PROCEDURE SERVE STORAGE INFORMATION EXTRACT  
SUB SERVE CACHE MEMORY SERVE FORWARDING MAIN SERVE

DERWENT-CLASS: T01

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